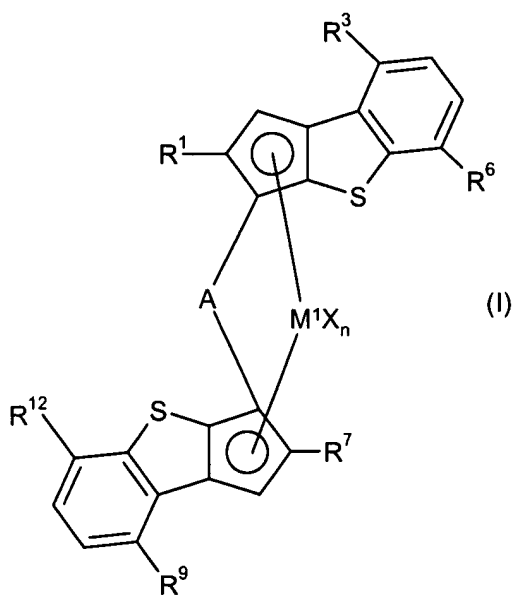


IN THE CLAIMS:

Please cancel claims 1-7 and 9-16, and enter new claims 17-22 as shown below in the following complete listing:

**1-16.** (cancelled)

**17.** (new) A catalyst system for the polymerization of olefins, comprising at least one organometallic transition metal compound and at least one cocatalyst which is able to convert the organometallic transition metal compound into a species which displays polymerization activity toward at least one olefin, wherein the organometallic transition metal compound has the formula (I)



where

$M^1$  is a Group 4 element,

X are identical or different and are each an organic or inorganic radical, where two radicals X can also be joined to one another,

n is 2,

$R^1, R^7$  are identical and are each a  $C_1$ - $C_{10}$  alkyl radical,

$R^3, R^9$  are identical or different and are each a substituted or unsubstituted  $C_6$ - $C_{40}$  aryl radical or  $C_2$ - $C_{40}$  heteroaromatic radical containing at least one heteroatom selected from the group consisting of O, N, S and P,

$R^6, R^{12}$  are identical and are each hydrogen or an organic radical having from 1 to 20 carbon atoms,

and

A is a substituted silylene group or a substituted or unsubstituted ethylene group.

**18. (new)** The catalyst system of claim **17** further comprising a support.

**19. (new)** The catalyst system of claim **17** wherein  $M^1$  is zirconium.

**20. (new)** The catalyst system of claim **17** wherein  $R^1$  and  $R^7$  are each methyl.

**21. (new)** The catalyst system of claim **17** wherein  $R^3$  and  $R^9$  are each a substituted or unsubstituted  $C_6$ - $C_{40}$  aryl radical.

**22. (new)** The catalyst system of claim **17** wherein A is dimethylsilane-diyl.